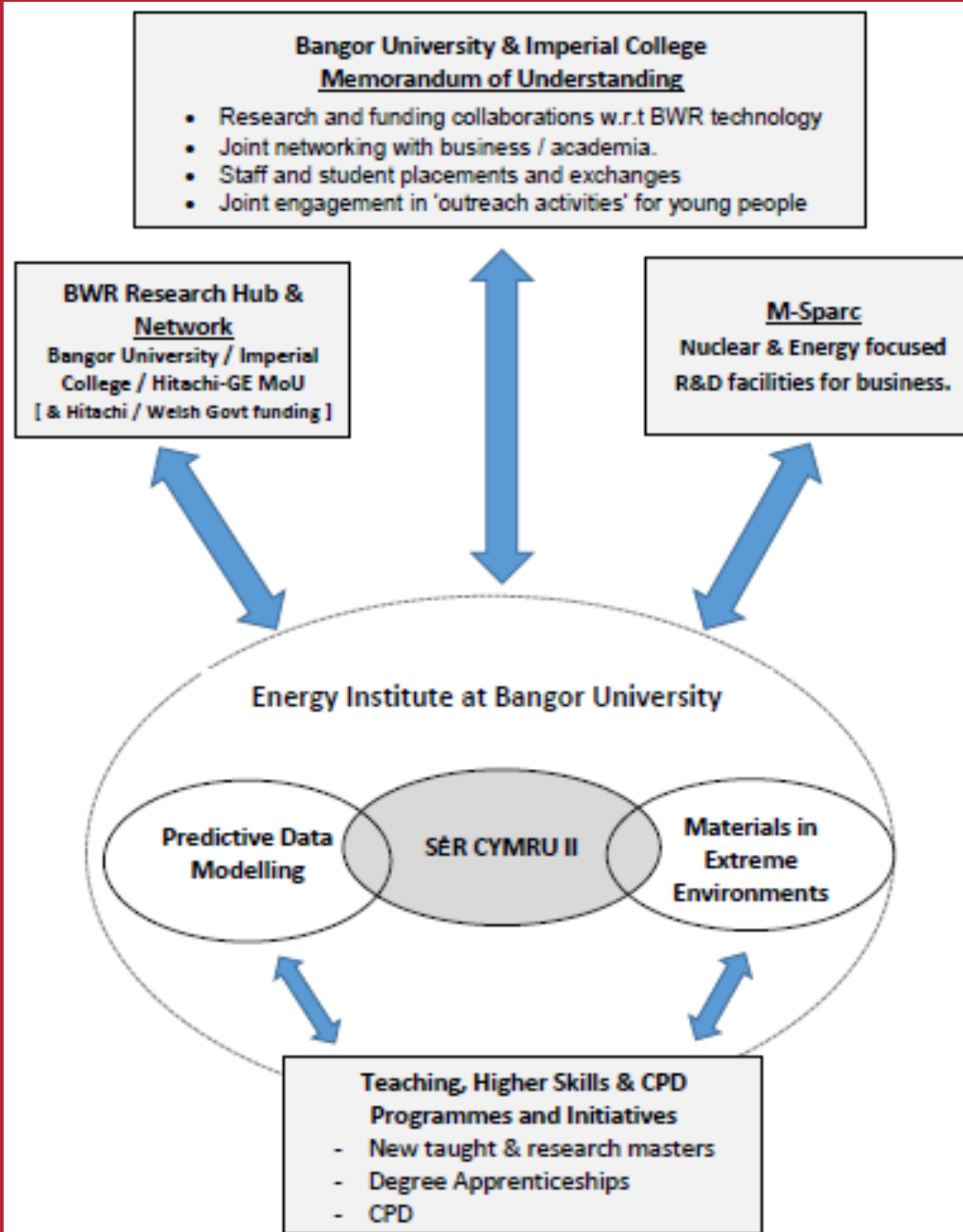


Nuclear Plans at Bangor University

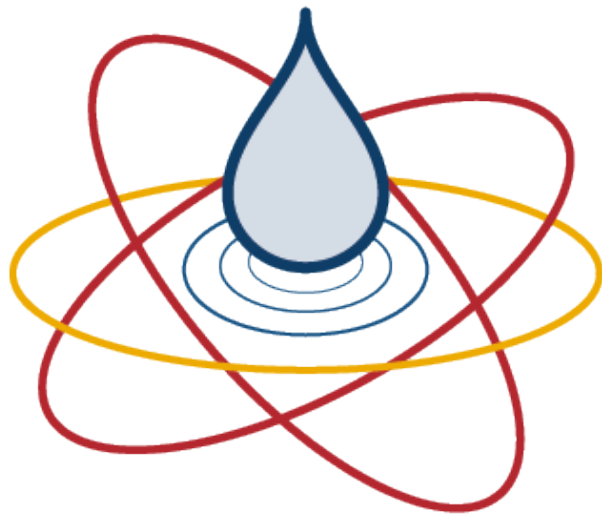


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- 2 and 3 way MoU's Bangor, Imperial, Hitachi GE (2016).
- 50% Sêr Cymru II Research Chairs as part of Energy Institute. 5 years funding agreed from Nov 2017.
- Senior Lectureships, Lectureships and PDRAs in each of 2 Centres
 1. Predictive Modelling
 - Cyber security, safeguards and NP.
 - Integrated modelling/exp for full fuel cycle
 - Demonstrator energy park for sustainable energy production.
 2. Materials for Harsh Environments
 - Fuel manufacture and design
 - Fuel performance and reactor control
 - Wasteforms, dry storage and useful isotopes
 - Monitoring and control.
- Mentor young academic teams in BWR technology linked to Wylfa new build including development of UG/PG/CPD teaching programmes.





BWR Hub

Boiling Water Reactor
Research Network

www.bwrhub.ac.uk



Facilitate the transfer of BWR Technology from Japan to Wales and the wider UK.

Deepen and enhance our understanding of BWR Technology.

Participate in research and development relating to Boiling Water Reactors.

Create and Develop nuclear research capacity in Wales.

Publically-accessible education in BWR Technology.



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London



Llywodraeth Cymru
Welsh Government

HITACHI



Current Feasibility Studies

- Modelling of film dryout critical heat flux (CHF) for BWR Applications – *Imperial College London*
- Integrated compound semi-conductor for gamma-ray spectrometry – *Cardiff University*
- Virtual Reality Demonstrator of an Advanced Boiling Water Reactor (VRABWR) – *Bangor University*